

### **Listing and Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1           1. (currently amended) A stereophonic expansion circuit having ~~(L+R) and (L-R)~~  
2 ~~signal paths~~, comprising:

3           means for processing (L+R) and (L-R) ~~stereo~~ signals, and

4           means for providing tonal compensation ~~of~~ for the (L+R) signal by increasing an  
5 amplitude of the (L+R) signal in a bass frequency band relative to a mid-range  
6 frequency band.

1           2. (currently amended) [[A]] The stereophonic expansion circuit of claim 1  
2 wherein the tonal compensation ~~of the (L+R) signal is in the bass and/or treble~~  
3 ~~frequency bands~~ is further provided by increasing the amplitude of the (L+R) signal in a  
4 treble frequency band relative to the mid-range frequency band.

1           3. (currently amended) [[A]] The stereophonic expansion circuit of claim 1  
2 wherein the ~~(L+R) signal is tonally compensated to reduce the mid-range frequency~~  
3 ~~signals~~ (L-R) signal is processed by increasing an amplitude of the (L-R) signal in the  
4 mid-range frequency band.

1           4. (currently amended) [[A]] The stereophonic expansion circuit of claim 1  
2 wherein the (L+R) signal is tonally compensated to be complementary to a frequency  
3 curve of the (L-R) signal.

1           5. (currently amended) [[A]] The stereophonic expansion circuit of claim 1  
2 wherein the tonal compensation can be switched between "ON" and "OFF" modes.

1           6. (currently amended) [[A]] The stereophonic expansion circuit of claim 5  
2   wherein stereophonic expansion can be switched between "ON" and "OFF" modes and  
3   the tonal compensation is switched "OFF" when ~~stereo~~ the stereophonic expansion is  
4   switched "OFF".

1           7. (currently amended) [[A]] The stereophonic expansion circuit of claim 4 5  
2   wherein a switchable gain boost is provided ~~in an~~ for the (L+R) signal ~~path~~.

1           8. (currently amended) [[A]] The stereophonic expansion circuit of claim 7  
2   wherein the gain boost is switched "OFF" when the tonal compensation is switched  
3   "OFF".

1           9. (currently amended) [[A]] The stereophonic expansion circuit of claim 1  
2   wherein the tonal compensation of ~~of~~ for the (L+R) signal is provided with respect to the  
3   (L-R) signal.

1           10. (currently amended) A stereophonic expansion circuit having ~~an~~ (L+R) and  
2   (L-R) signal paths including circuitry operative to provide tonal compensation for the  
3   (L+R) signal path by increasing an amplitude of an (L+R) signal in a bass frequency  
4   band and a treble frequency band relative to a mid-range frequency band, and wherein  
5   the tonal compensation of the (L+R) signal path is approximately complementary to the  
6   a tonal frequency response of the (L-R) signal path.

1           11. (currently amended) The stereophonic expansion circuit of claim 10 wherein  
2   the tonal compensation is switchable between "ON" and "OFF" modes.

1           12. (currently amended) The stereophonic expansion circuit of claim 11 wherein  
2   stereophonic expansion is switchable between "ON" and "OFF" modes and the

3 complementary tonal compensation is switched "OFF" when the ~~stereo~~ stereophonic  
4 expansion is switched "OFF".

1 13. (currently amended) The stereophonic expansion circuit of claim ~~12~~ 11  
2 wherein a ~~switched~~ switchable gain boost is provided in ~~an~~ the (L-R) signal path.

1 14. (original) The stereophonic expansion circuit of claim 13 wherein the gain  
2 boost is switched "OFF" when the tonal compensation is switched "OFF".

1 15. (new) A method for providing stereophonic expansion, comprising:  
2 generating (L+R) and (L-R) signals, and  
3 providing tonal compensation for the (L+R) signal by increasing an amplitude of  
4 the (L+R) signal in a treble frequency band relative to a mid-range frequency band.

1 16. (new) The method of claim 15 wherein the tonal compensation is further  
2 provided by increasing the amplitude of the (L+R) signal in a bass frequency band  
3 relative to the mid-range frequency band.

1 17. (new) The method of claim 15 wherein the tonal compensation is switchable  
2 between "ON" and "OFF" modes.

1 18. (new) The method of claim 17 wherein stereophonic expansion is switchable  
2 between "ON" and "OFF" modes and the tonal compensation is switched "OFF" when  
3 the stereophonic expansion is switched "OFF".

1 19. (new) The method of claim 17 wherein a switchable gain boost is provided to  
2 increase an amplitude of the (L-R) signal in the mid-range frequency band.

1 20. (new) The method of claim 19 wherein the gain boost is switched "OFF"  
2 when the tonal compensation is switched "OFF".